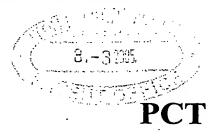
PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing (day/month/year)

Applicant's or agent's file reference

R05060PCT

FOR FURTHER ACTION

See paragraph 2 below

International application No. PCT/JP2005/012273 International filing date (day/month/year)

Priority date (day/month/year)

28.06.2005

29.06.2004

International Patent Classification (IPC) or both national classification and IPC

Int.Cl. B41J2/165, 2/18, 2/185

Applicant

RICOH COMPANY, LTD.

1.	This opinion	contains	indications	relating to	the following	items:
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V Box No. I Basis of the opinion

Box No. II **Priority**

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

Box No. IV Lack of unity of invention

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; Box No. V

citations and explanations supporting such statement

Box No. VI Certain documents cited

Box No. VII Certain defects in the international application

Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

For further details, see notes to Form PCT/ISA/220.

Date of completion of this opinion 15.07.200	005							
Name and mailing address of the ISA/JP	Authorized officer		2P	9606				
Japan Patent Office	Kirihata Yukihiro		L	<u> </u>				
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan	Telephone No. +81-3-3581-1101	Ext.	3261					

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/012273

Bo	x No. I	Basis of the opinion
1.	_	ard to the language, this opinion has been established on the basis of the international application in the language in was filed, unless otherwise indicated under this item.
	┌ Thi	is opinion has been established on the basis of a translation from the original language into the following language
		, which is the language of a translation furnished for the purposes of international search (under
	Ku	les 12.3 and 23.1(b)).
2.		and to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the invention, this opinion has been established on the basis of:
	a type of	material
	Γ	a sequence listing
	Г	table(s) related to the sequence listing
	h faat	of material
	o. Iomnat	in written format
	, F	in computer readable form
	c. time of	filing/furnishing contained in the international application as filed.
	Ė	filed together with the international application in computer readable form.
	_	furnished subsequently to this Authority for the purposes of search.
	•	
3.	file	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been d or furnished, the required statements that the information in the subsequent or additional copies is identical to that he application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Additional	comments:
		·

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2005/012273

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement			
Novelty (N)	Claims	1-10	YES
	Claims		NO NO
Inventive step (IS)	Claims		YES
	Claims	1-10	NO NO
Industrial applicability (IA)	Claims	1-10	YES
	Claims		NO

2. Citations and explanations

D1: JP 2001-71514 A(SEIKO EPSON CORPORATION)

21.03.2001, see whole document

& EP 1083052 A2 & US 6481826 B1

D2: JP 2003-276213 A(SEIKO EPSON CORPORATION)

30.09.2003, column 9 lines 21-30

& US 2003/0234829 A1

D3: JP 2003-96355 A(RICOH COMPANY, LTD.)

03.04.2003, column 1 lines 2-15

& EP 1262529 A1 & US 2003/0107632 A1

Claims 1,6

Document D1 discloses a cap member consisting of a resilient contact member and a recess-forming member. The recess-forming member, which is made of a rubber material containing a water repellent agent, has at least two slopes as the recess.

Document D2 discloses a cap member consisting of a resilient contact member and a recess-forming member made by double-molding. A person skilled in the art can conceive easily to apply this double-molding method to the cap member disclosed in document D1.

Claims 2,8

The ratio of said water repellent agent in the recess-forming member is selectable. A person skilled in the art can conceive easily to adopt an adequate ratio according to desirable water repellence.

Claims 3,9

Document D1 discloses curved corners of the recess of the recess-forming member. (See Fig.5)

Claims 4,5,10

A sum of the inclination angle and a contact angle of said slopes is larger than 90 degrees because the water repellence of recess-forming member means the contact angle with respect to water is larger than 90 degrees.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/012273

Supplemental Ros

Supplemental Box											
In case the space in any of the preceding boxes is not sufficient.											
Continuation of: Bo:	x No.V										
Claim 7 Document D3 in Claim 7.	discloses	a	pigment	ink	which	is	same	as	the	ink	described
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